

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
06 January 2022 (06.01.2022)



(10) International Publication Number
WO 2022/005141 A1

(51) International Patent Classification:

G07C 9/00 (2006.01) E05B 85/00 (2014.01)
E05B 77/44 (2014.01)

(21) International Application Number:

PCT/KR2021/008121

(22) International Filing Date:

28 June 2021 (28.06.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2020-0079340 29 June 2020 (29.06.2020) KR

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,

HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

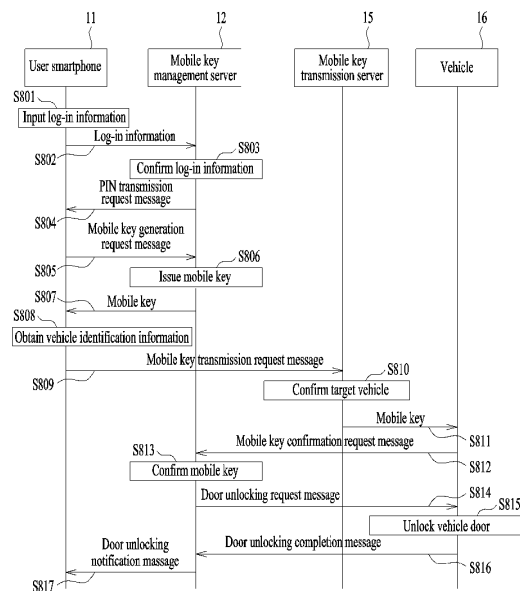
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: METHOD FOR UNLOCKING VEHICLE DOOR USING MOBILE TERMINAL

[Fig. 8]



(57) Abstract: The present invention provides a method for unlocking a vehicle door using a mobile terminal. The unlocking method comprises: authenticating, by a mobile key management server, a user and a smartphone of the user; authenticating, by the mobile key management server, a vehicle having a door to be unlocked using the authenticated smartphone; generating, by the mobile key management server, a mobile key issuance algorithm corresponding to the authenticated vehicle and smartphone; issuing, by the mobile key management server, a mobile key, using the generated mobile key issuance algorithm, in response to a request from the smartphone; receiving, at the mobile key management server, the issued mobile key via the smartphone and the vehicle; confirming, by the mobile key management server, whether the issued mobile key matches the received mobile key; and requesting, by the mobile key management server, the vehicle to unlock the door thereof, when the issued mobile key matches the received mobile key.

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